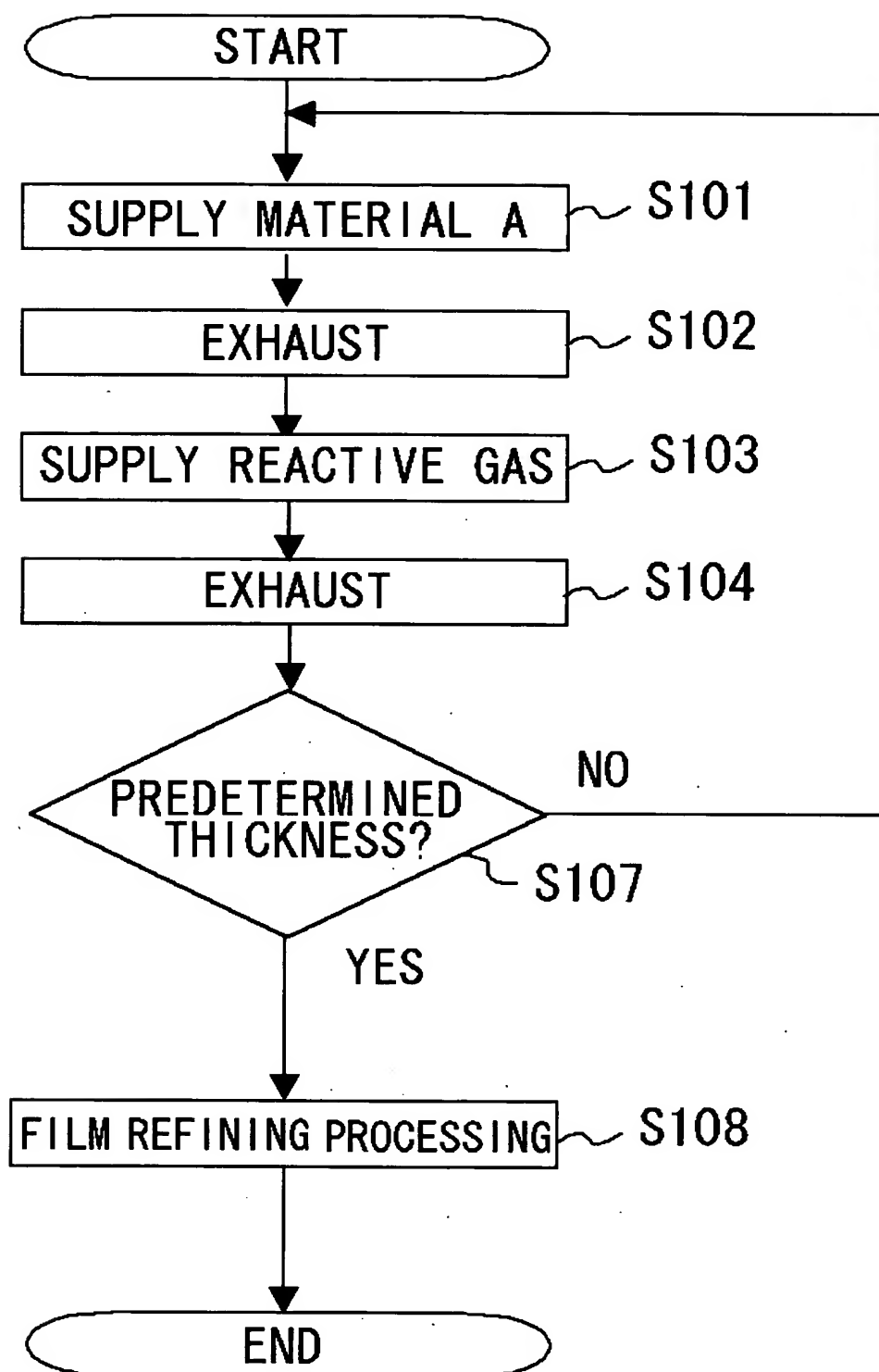


FIG.1



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FIG.2A

○ METAL ATOM    ⊗ OXYGEN ATOM    ● IMPURITY

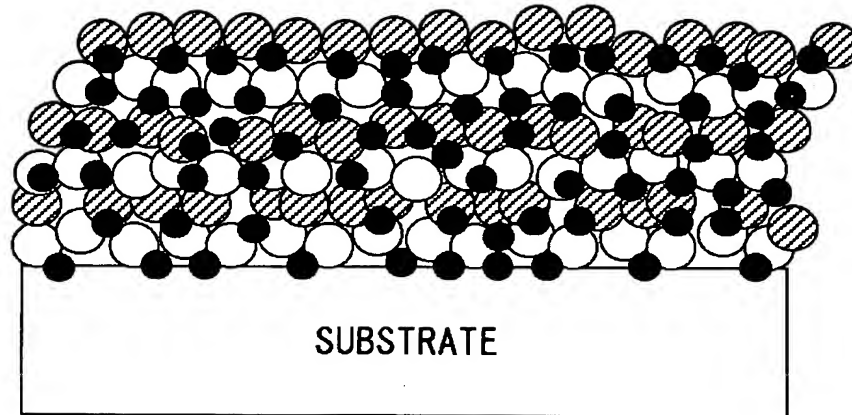
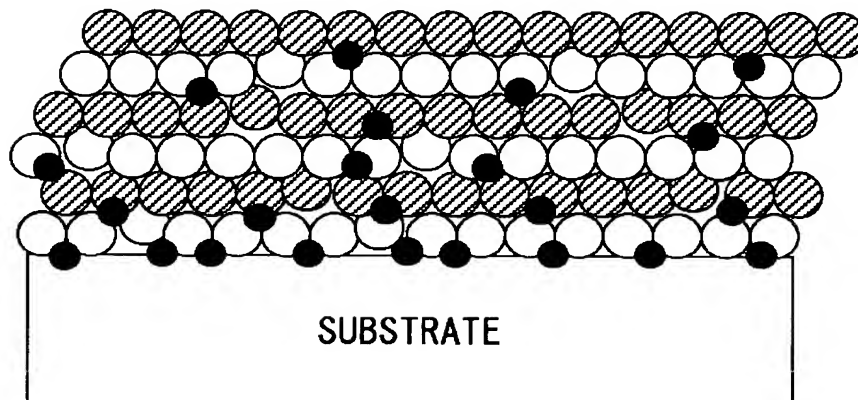


FIG.2B

○ METAL ATOM    ⊗ OXYGEN ATOM    ● IMPURITY



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FIG.3

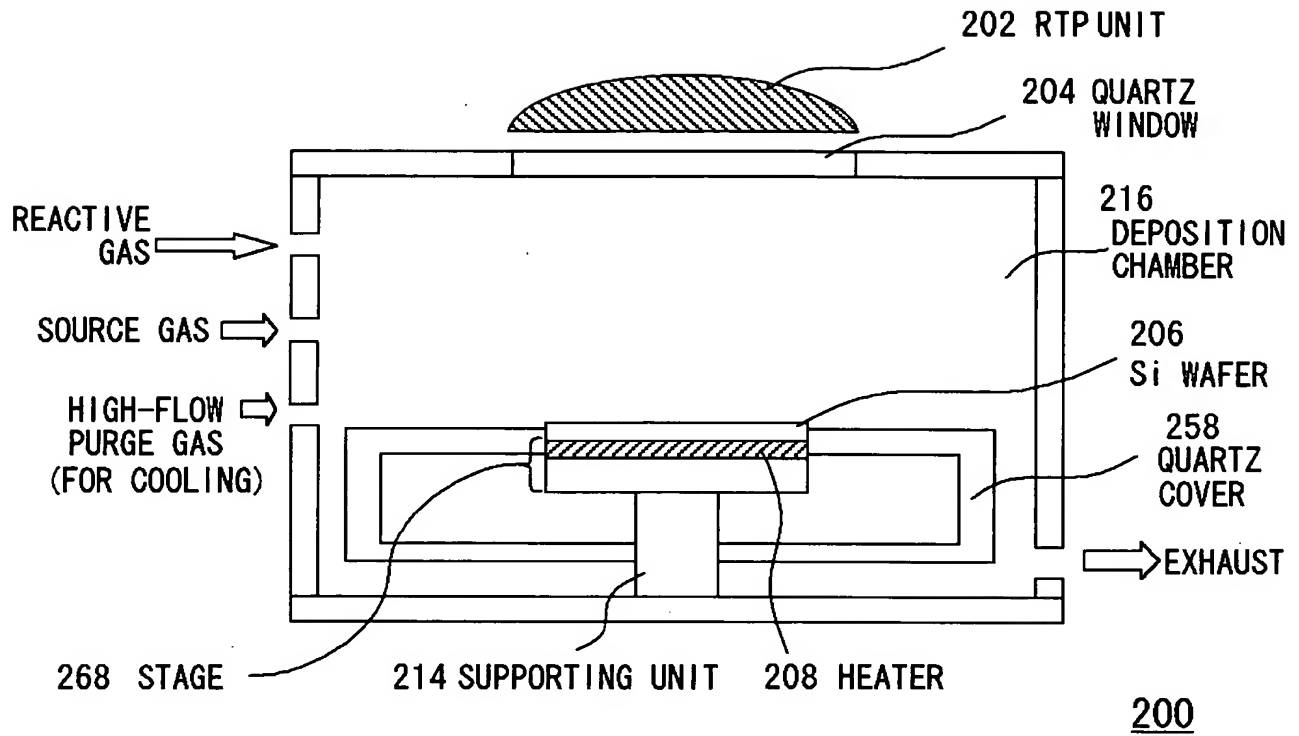
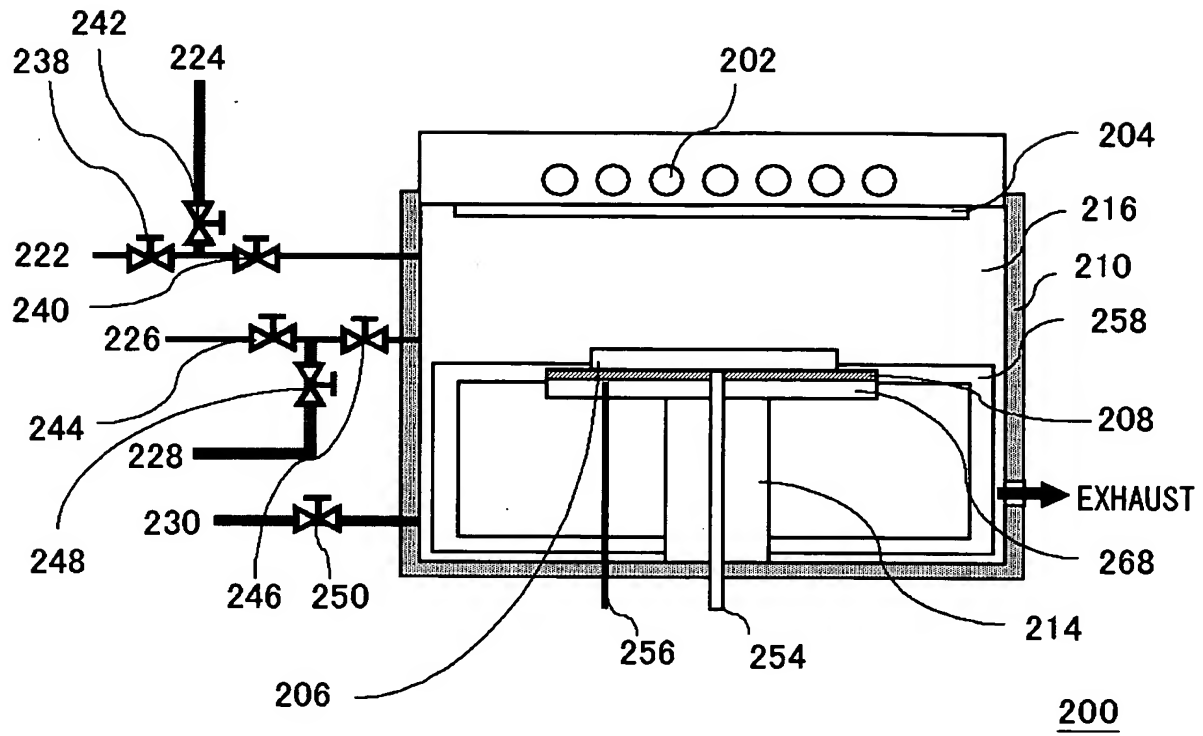
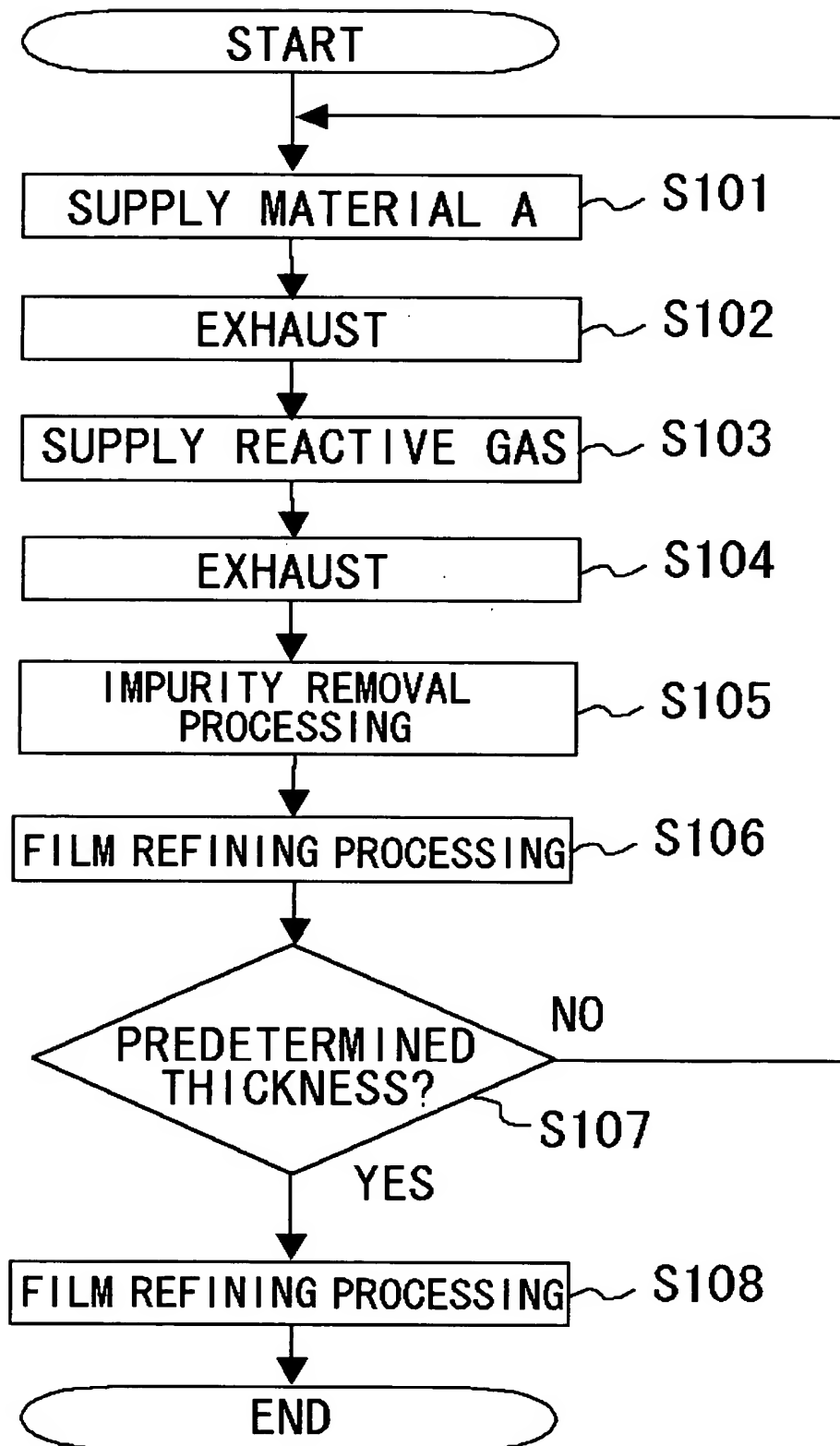


FIG. 4



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FIG.5



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FIG.6A

○ METAL ATOM    ⊗ OXYGEN ATOM    ● IMPURITY

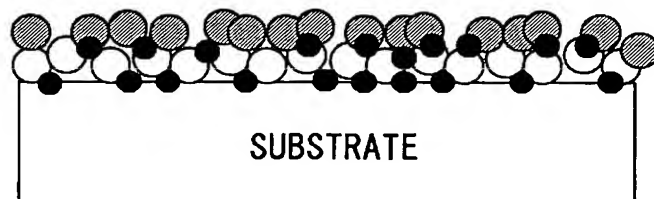


FIG.6B

○ METAL ATOM    ⊗ OXYGEN ATOM    ● IMPURITY

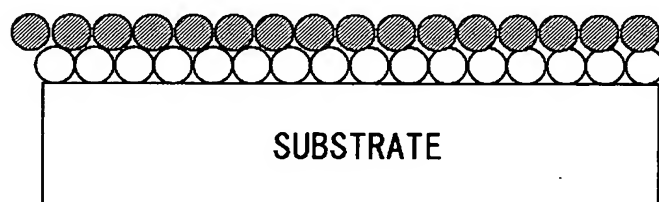


FIG.6C

○ METAL ATOM    ⊗ OXYGEN ATOM    ● IMPURITY

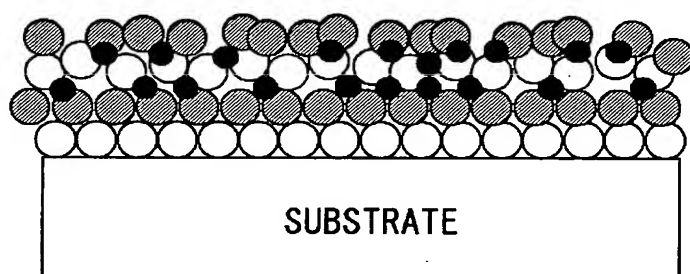
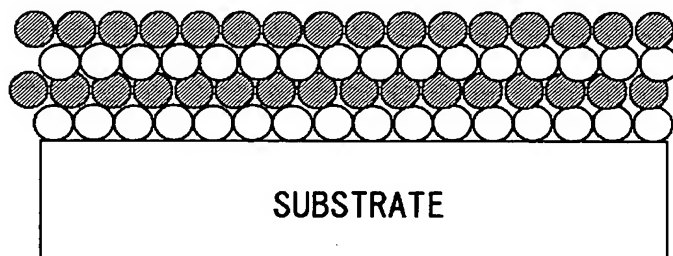


FIG.6D

○ METAL ATOM    ⊗ OXYGEN ATOM    ● IMPURITY



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FIG.7A

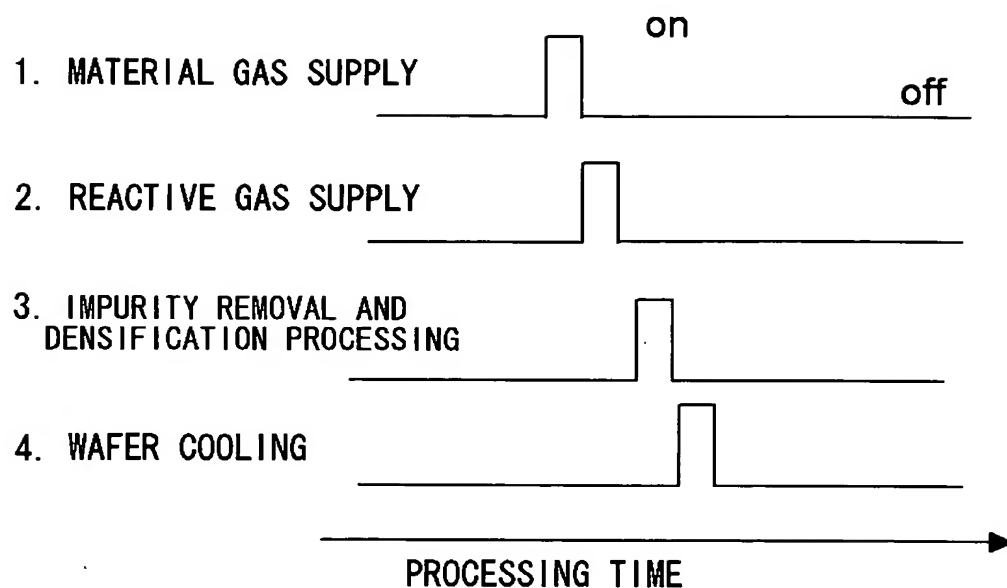
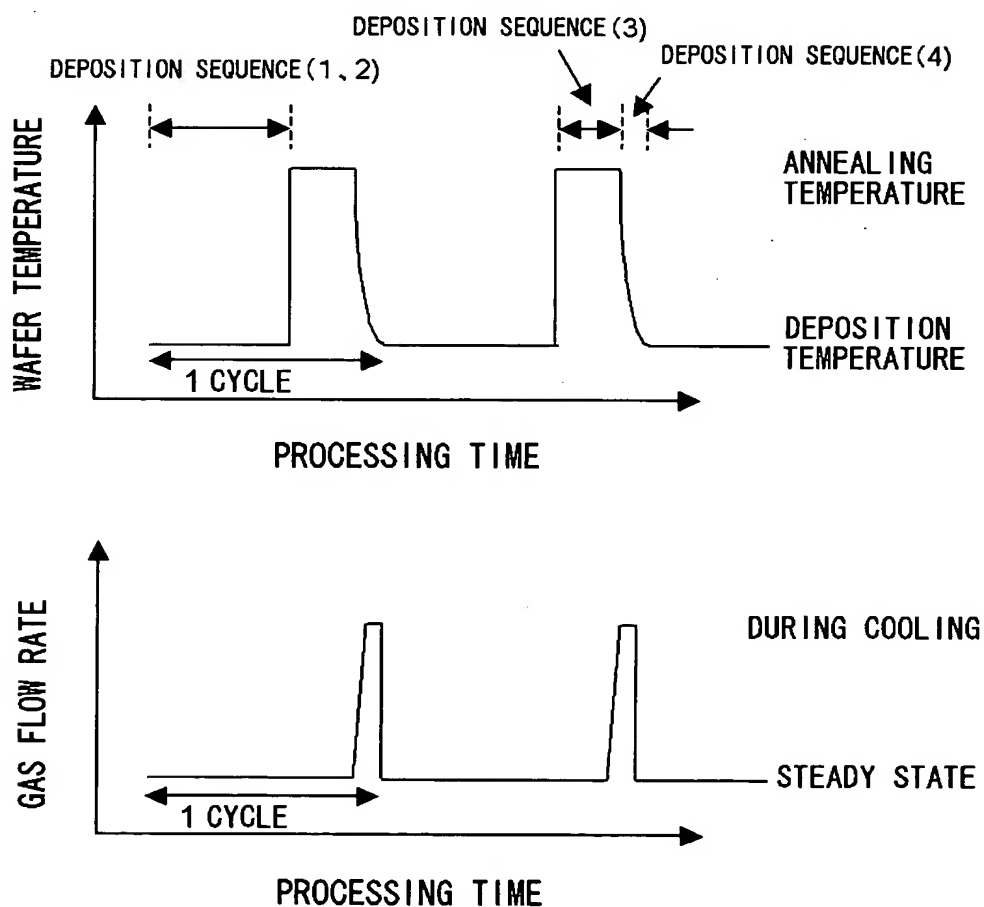
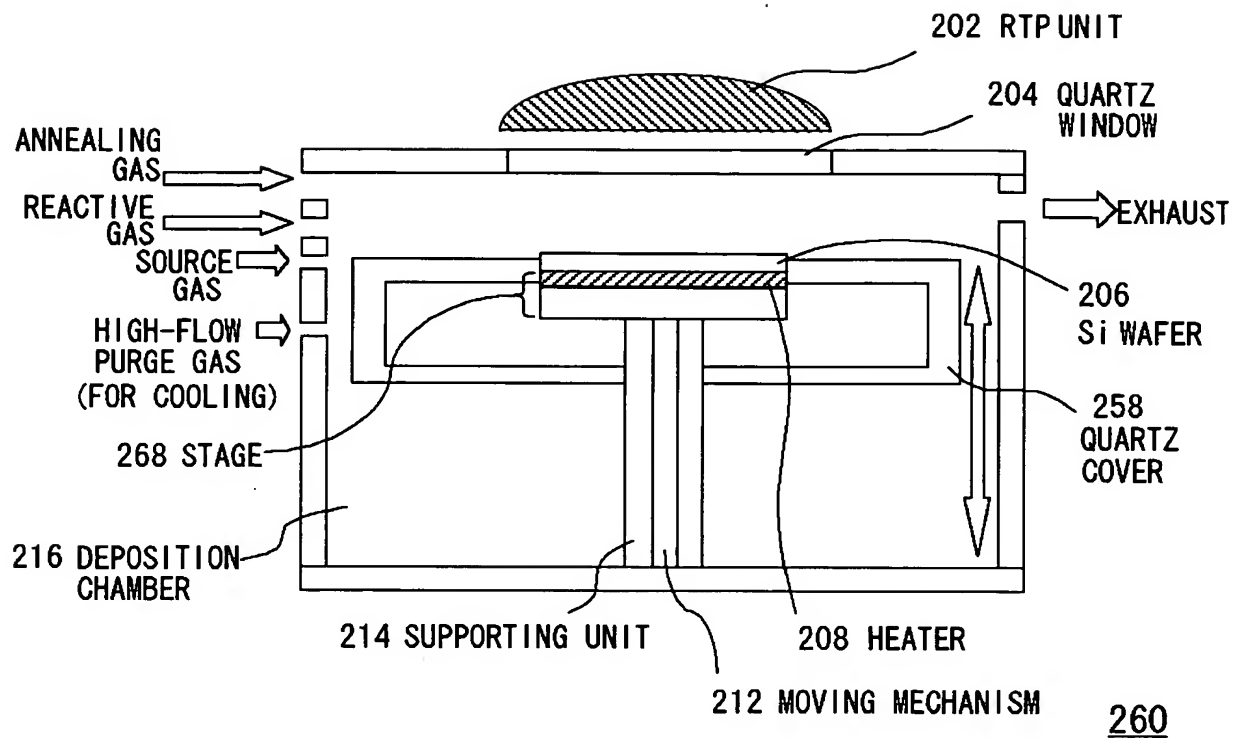


FIG.7B



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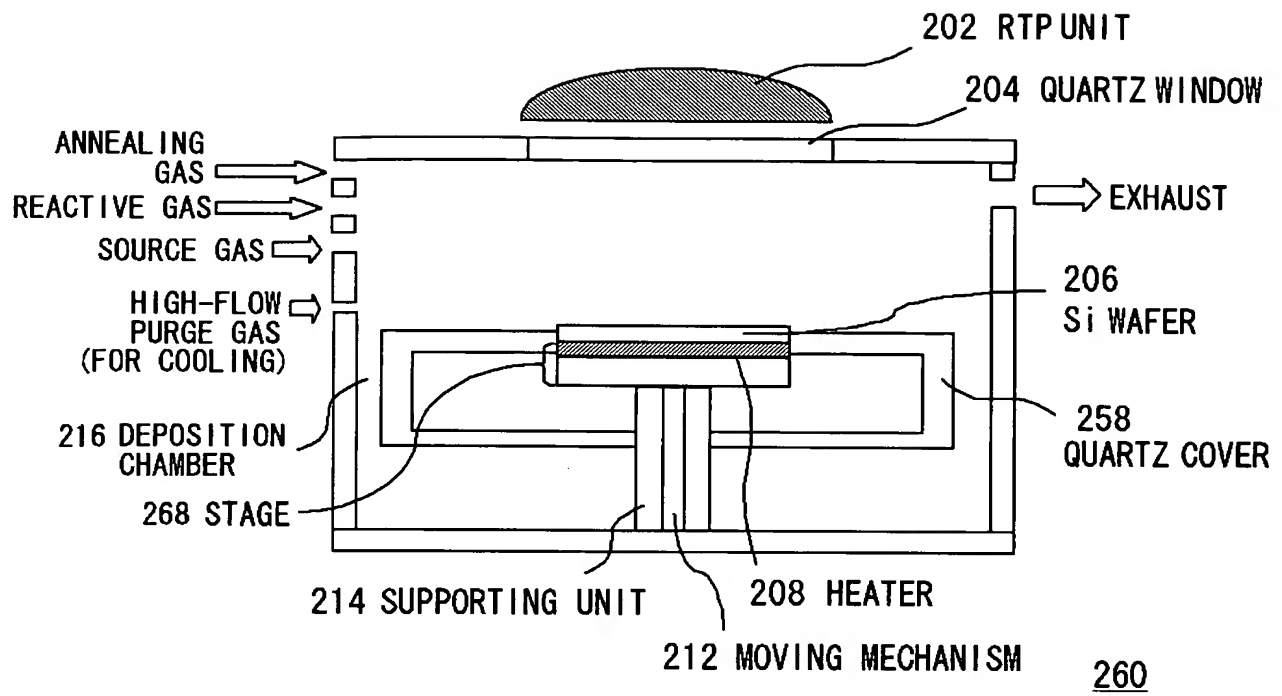
FIG. 8





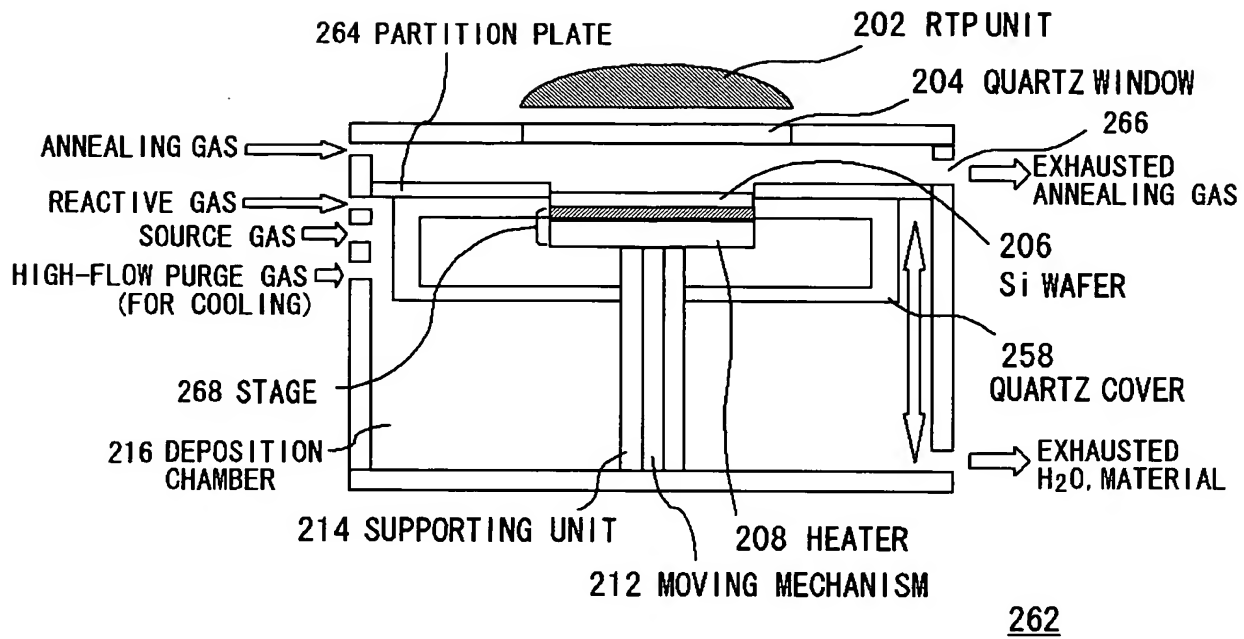
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FIG. 9



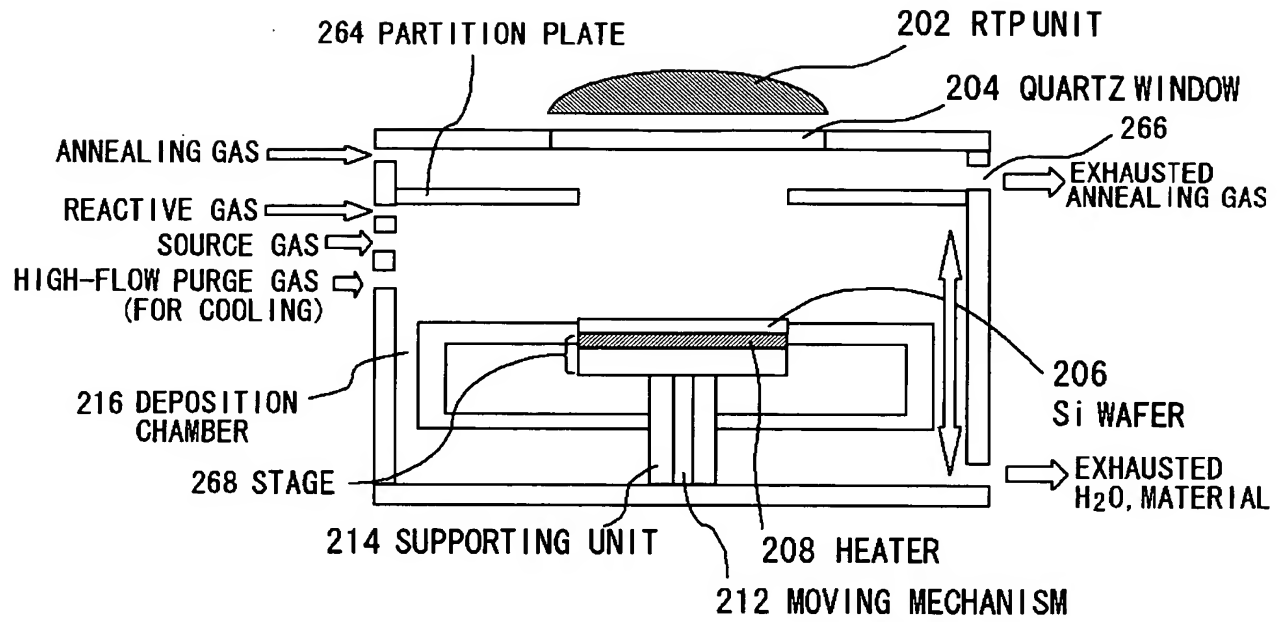
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FIG. 10



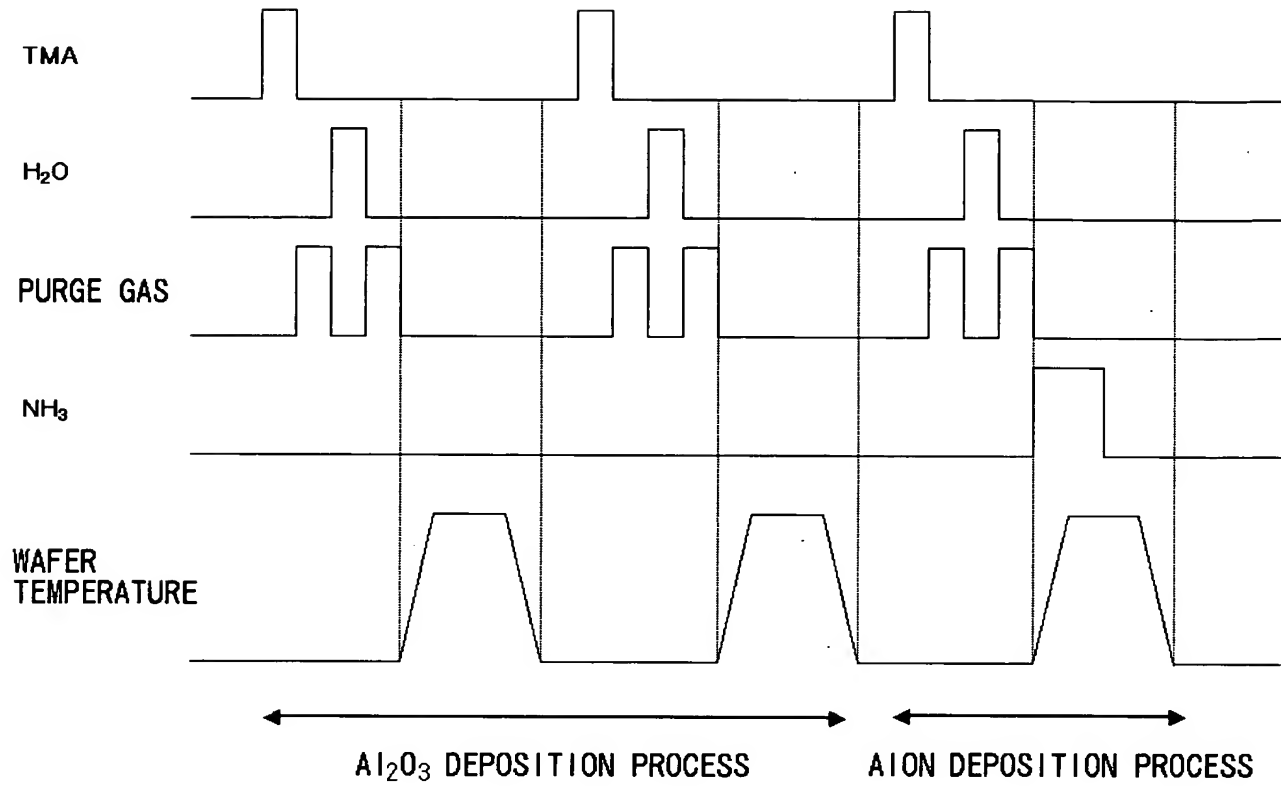
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FIG. 11

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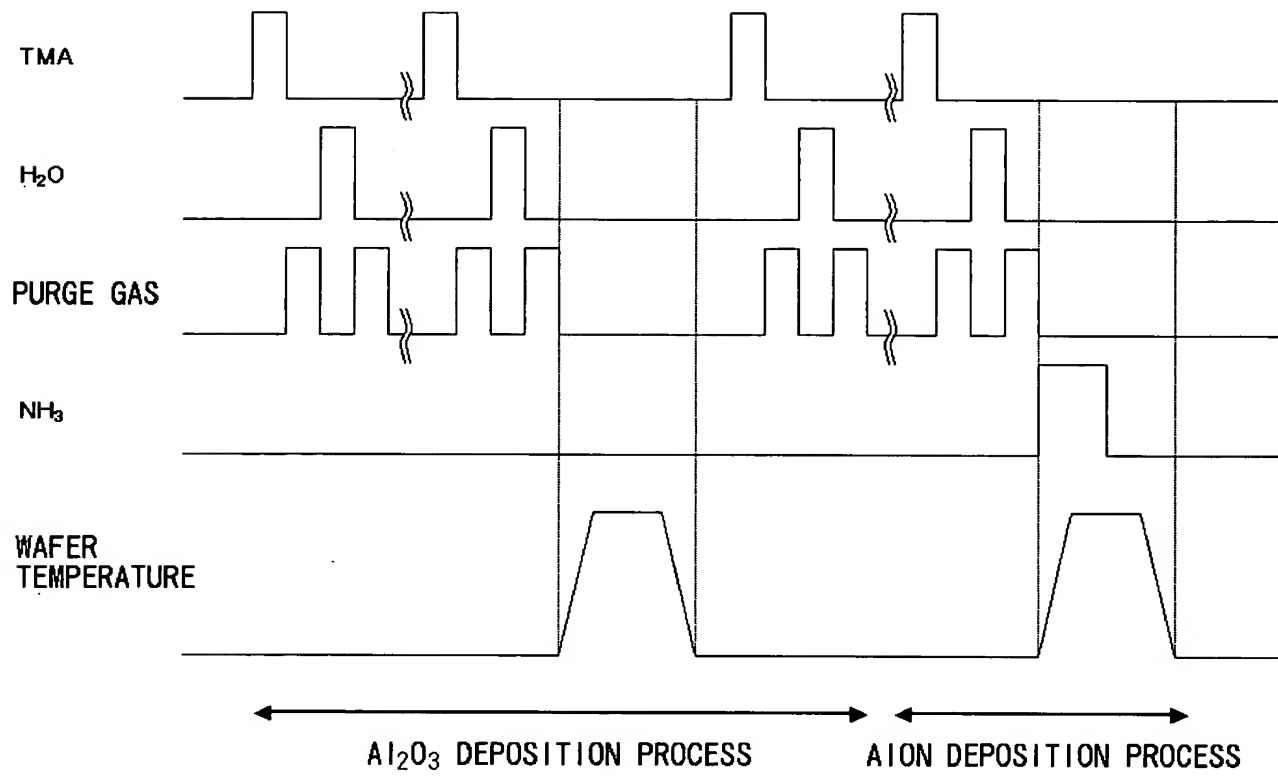
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FIG.12



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FIG.13



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FIG.14

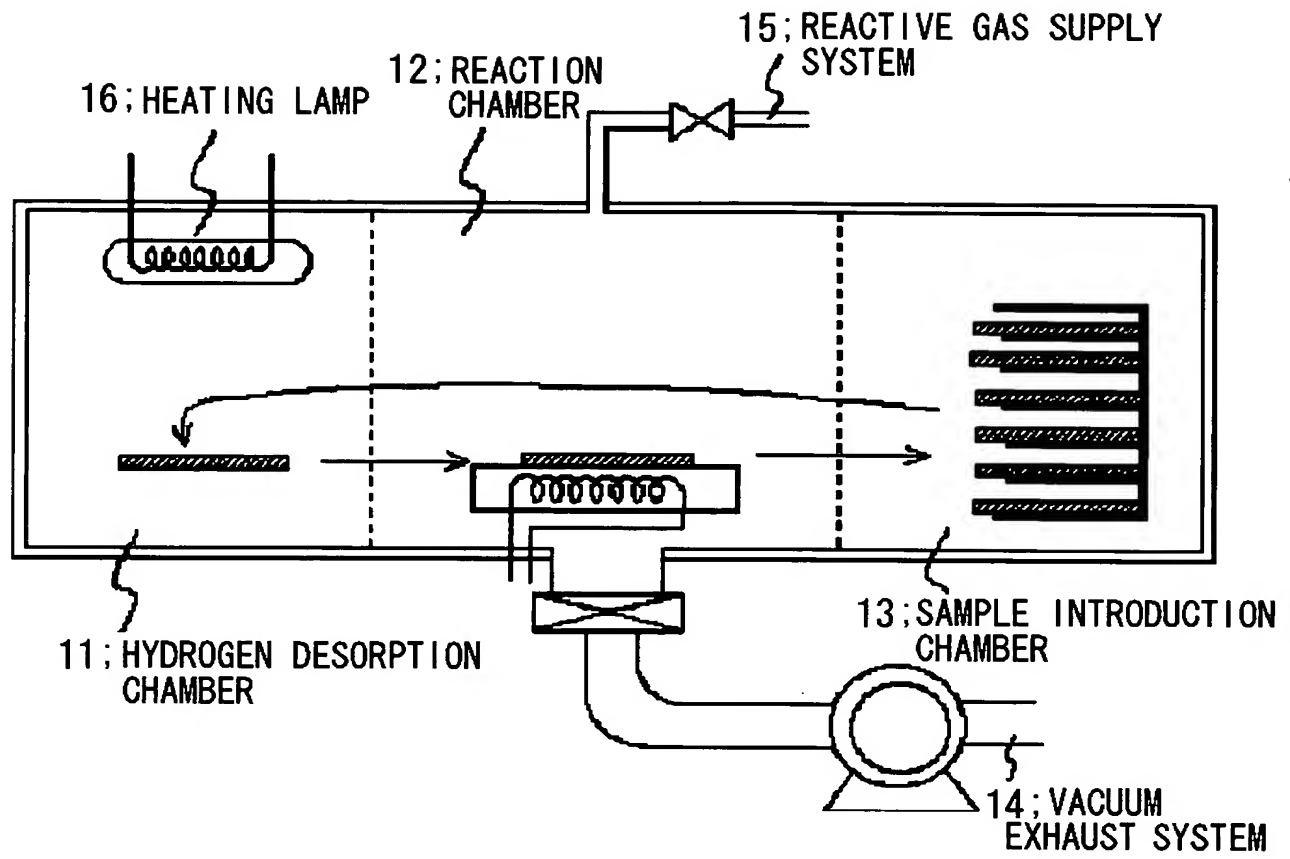


FIG.15

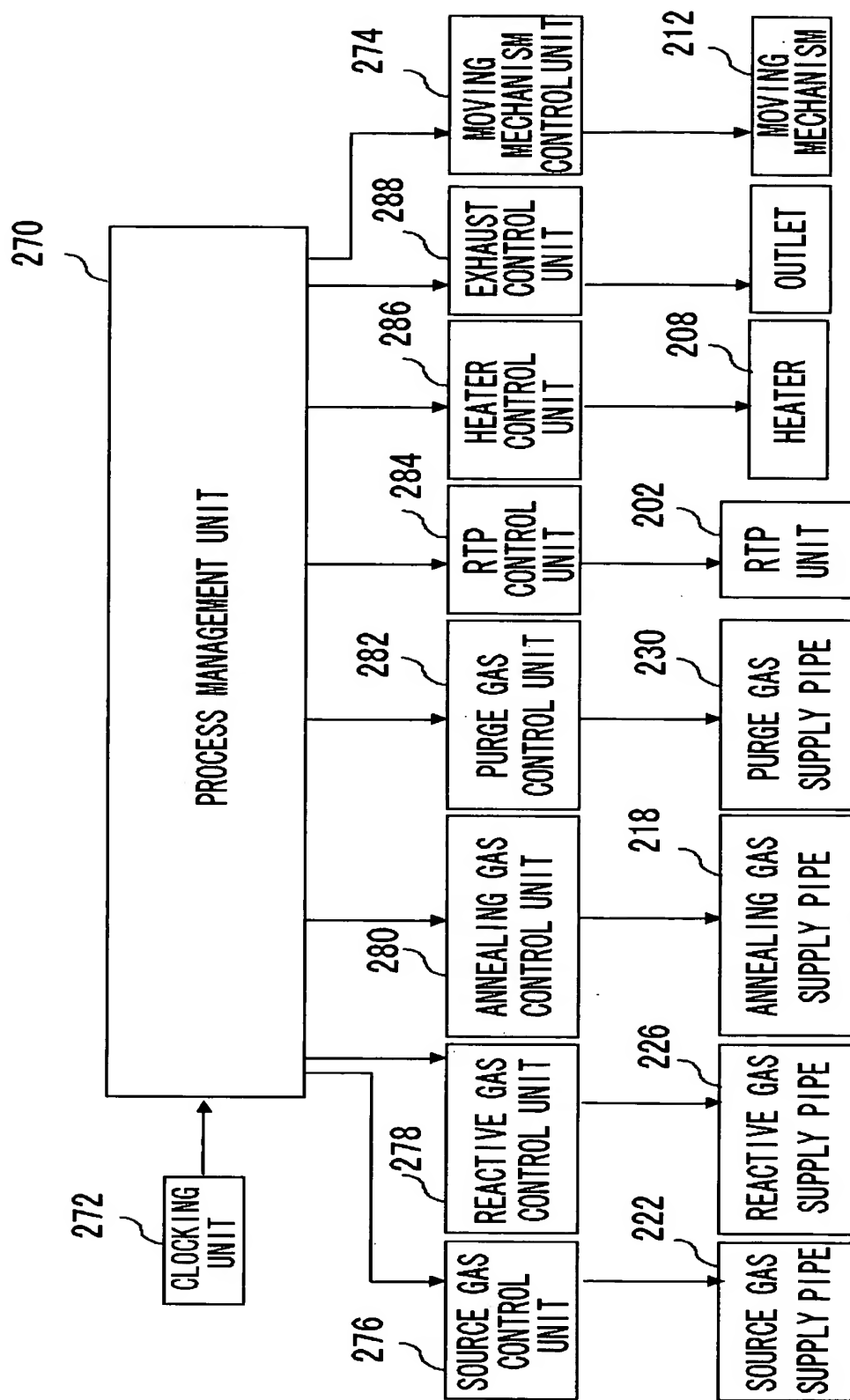


FIG.16

